

Method of Electromotive Forces, by O. A. Esin,
B. M. Lapinskikh, 14 pp.
RUSSIAN, rpt. Trudy Konferentsii po Fiziko-
Khimicheskim Osnovam Proizvodstva Stali,
Moscow, 1957, pp 48-445. 9229065
AEC-UCRL-Tr-1214

Sci-Phys
Jul 58

284,441

86
Electrolytic Desulphurisation of Cast Iron,
by O. A. Esin et al.
RUSSIAN, per, Izv. AN. SSSR. Otdel Tekh Nauk,
Dec. 1957, pp 71-76.
*BISI 4843

O. A. Esin

Sci-N&M
May 66

~~293,611~~

Theory of Overvoltage and the Simultaneous
Discharge of Ions, by O. A. Esin.

RUSSIAN, per, Zhur Fiz Khim, No 6, 1935,

pp 795-801

EZ

O. A. Esin

Sci -
Jul 67

334,167

Some Characteristics of Low-Voltage Pulse Discharges,
by ~~Shchepetil'nikov~~ D. B. Gurevich, R. A. Esin, V. R.
Prakhof'ev, 2 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Ser Fiz, Vol XIX,
No 1, 1955, pp 64-65. CIA C 42053

Columbia Tech Tr

Scientific - Physics
May 56 CTS/dex

34,650

On Problems Connected With the Electro-Spark
Hardening of Metals, by V. B. Esin. UNCLASSIFIED

RUSSIAN, per, Vest Mashinostroye, Vol XXXIII,
No 12, pp 77.

Sci Mus Lib 57/4279

Sci - ~~Min~~ Engr
Sep 58

73,396

on the Direction of its Columnar Solidification,
by V. O. Esin and A. A. Kralins, 3 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol IX,
No 2, 1960, pp 305-307.

PP

164, 634

Sci

Jul 61

Laminar Character of Growth and Substructure of
Tin of Various Purity Grades, by V. O. Esin,
A. A. Kralina, 3 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol IX,
No 2, 1960, pp 307-310.

FP

164,636

Sci

Jul 61

Contribution to the Problems of the Reactive
Diffusion Mechanism in Cu-Sn, Cu-Te, Ag-Sn and
Ag-Te Alloys, by V. I. Arkharov, V. O. Esin, 4 pp.

RUSSIAN, per: Fiz Metal i Metall, Vol V, No 2,
1957, pp 246-250.

Pergamon Inst

Sci. Min/Mat
Nov 58

77,098

Direct Reduction of Chronic Oxide, by Yu. O.
Esin and P. V. Gel'd, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXI, No 9,
1958, pp 1285-1292.

Consultants Bureau

Sci - *Chem*

Sept 59

97,569

Reduction of Zinc Oxide by Carbon, by Yu. O. Esin,
P. V. Gal'd, 8 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol. XXII, No 7,
pp. 986-994.

Consultants Bureau

Sci - Chem
Aug 59

93, 814

CONCERNING THE METHOD OF ENCEPHALOGRAPHY, by G. A.
Esinovskaya, 5 pp.

RUSSIAN, bk, Voprosy Psikhiatrii i Nevropatologii,
No 3, 1953.

OTS 60-21173
PL-480

Sci - Med

Apr 62

PST 210

Ethnography of the Southwest of Angola, by
Father Carlos Estermann, 299 pp.
PORTUGUESE, Monog. Memorias Serie Antropologica
E Ethnologica, Vol 2, 1960.

Smithsonian Institution Library

Vol 1 1960, 286 pp.

Vol 5, 1961, 251 pp.

Father Carlos Estermann

Sci/Beh 4 SS
June 69

582,682

Contact Photography of Faint Emission Objects, by
I. V. Vollov, V. XF. Esipov, 7 pp.

RUSSIAN, per, Astron Zhur, Vol XXXIX, No 2, 1962,
pp 323-329.

Amer Inst of Phys
Sov Astron - AJ
Vol VI, No 2

Sci
Apr 64

254,292

4-1
We Are Growing European Alder on Poor Soils, by
I. K. Esipov & A. I. Lisachenko.
RUSSIAN, per. Lesnos Khozvaistvo, Vol 13, No 5.
1960, pp 64-65.
*CSFTI TT 68-50395/9

I. K. Esipov

301/B & H
Feb 68

An Artificial Comet, by I. S. Shklovskiy,
V. F. Esipov, V. G. Kurt, V. I. Moroz, P. V.
Shcheglov, 6 pp.

RUSSIAN, per, Astron Zhur, Vol XXXVI, No 6,
1959, pp 1073-1076.

Amer Inst of Phys
Soviet Astron - AJ
Vol XII, No 6

Sci

Jul 60

120,578

Pallast Val.) of the Barents and Kara Seas, by V. K.
Eshpov, 12 pp.

RUSSIAN, per, Trudy Polyarnyy Nauch-Issled Inst
Morskogo Rybnogo Khoz i Okeanograf, No 1, 1938,
pp 149-159.

OTS 60-51149
PL-480

Sci - Biol

Jul 62

FST 357

207, 685

Increasing the Sensitivity of Emulsions Used in
Photography with Long Exposures, by V. F. Esipov,
4 pp.

RUSSIAN, per, Astron Zhur, Vol XXXVII, No 6,
1960, pp 1102-1106.

AIP
Sov Astron-AJ
Vol IV, No 6

Sci.
Jul 61

159,661

After Effects of High and Low Temperatures on
Photosynthesis in Cotton Plants, by I. V. Es'pova,
4 pp.

RUSSIAN, per, Fiz Rasteniy, Vol VI, No 1, 1959,
pp 104-106.

Amer Inst of Biol Sci

Sci - Biol

Sep 59

97,333

Esipova, M.I. and Zagrebin, D. V.
THE SOLUTION TO THE PROBLEM OF COMPILING
A CATALOG OF RIGHT ASCENSIONS OF 358 STARS
WITH THE AID OF PUNCH-CARD MACHINES.
10 Oct 63, 5p 3refs FTD-TT-62-959 (p. 499-503).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 499-503)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Astronomical data, *Catalogs, Stars,
Astronomy, *Punched cards,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 499-503)

- I. Esipova, M.I.
- II. Zagrebin, D. V.
- III. FTD-TT-62-959
(p. 499-503)
- IV. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Esipova, M. I. THE CALCULATION OF THE EPHEMERIDES OF THE APPARENT RIGHT ASCENSIONS OF THE STARS IN THE TIME-SERVICE PROGRAM. 10 Oct 63, 3p 2refs FTD-TT-62-959 (p. 504-506) Order from OTS, SLA, or ETC \$28.50 in TT-64-13176 (p. 504-506) Unedited rough draft trans. from mono. Astrometri- cheskaya Konferentsiya SSSR (no. 14) Kiev, 27-30 May 58. Trudy, Moscow, 1960. DESCRIPTORS: *Astronomical data, Stars, *Time, Astronomy, (Astronomy, TT, v. 11, no. 5)	TT-64-13176 (p. 504-506) I. Esipova, M. I. II. FTD-TT-62-959 (p. 504-506) III. Foreign Tech. Div., Air Force Systems Command, Wright- Patterson AFB, Ohio Office of Technical Services
--	---

Observations of the Brightness of the Rocket
of the Third Artificial Earth Satellite at
Pulkovo Observatory, by M. I. Baipova, M. S.
Zverov.

RUSSIAN, per, Astron Servet An SSR Byull, No 4, 1959,
pp 12-15.

RAE 642

Space Res
Sci - Astron

May
Apr 60

115,145

On the Specific Form of Collagen, by N. S.
Andreyeva, M. I. Milyonova, N. G. Elyash,

RUSSIAN, per, Kristallografiya, Vol III, No 4,
1957, pp 470-474.

Amer Inst of Phys

Sci

Feb 60

108,617

The Character of Some Hydrogen Bonds in Collagen, by N. G. Esipova, 3 pp.

RUSSIAN, no per, Biofiz, Vol II, No 4, 1957, pp 461-464.

Pergamon Inst

Sci - Biol

Jul 58

67,480

On Pulse and Continuous Systems With
Extrapolating Devices, by E. M. Esipovich,
9 pp.

RUSSIAN, bk, Trudy Konferentsiya po Voprosam
Teoriya i Primeneniye Diskretnykh Avtomati-
cheskikh Sistem, 1960. 9676749-V

FID MCL-1253/1

Sci - Phys

196,065

15 May 62

Epidemiology of a water-borne outbreak of
typhoid fever, by I. B. Otarayev, D. M. Eniyeva,
3 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol,
Vol XXIX, No 1, 1959, pp 53-55.

Fargazon Inst

Sci - Med

Jan 59

80,187

Results of Malaria Control in Derbent,
Daghestan ASSR, by G. A. Eshengulov.
UNCLASSIFIED

RUSSIAN, per, Med Parazital i Parazitar Bol,
Vol XXVIII, No 5, 1959, pp 540-542, Encl to
ICATO, Circular A-384.

International Cooperation
Administration

Sci - Med
Oct 60

132,243

Determination of Uranium by Amperometric Titra-
tion, by V. F. Eskevich, L. A. Komarova, 3 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 1, 1960,
pp 84-87.

CB

Sci
Aug 61

163,922

Nigeria's Electric Power Supply, by E. Ekedragba,
8 pp.

SWEDISH, par, Elektricitetens Rationella
Anvandning, 1963, pp 100-102. (Call No Not Given,
Eng Tr)

Army Map Service

Africa - Nigeria
Econ
Jan 64

248,753

Paleozoic Granites of the Barguzin Range,
by A. S. Eskin and V. G. Belichenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 2, 1953, pp 140-142.

Consultants Bureau

Sci - Geophys

Mar 59

83,076

Anthocyanin and Plant Frost Resistance, by B. I.
Es'kin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 5,
1960, pp 1158-.

AIBS

Sci
Sep 60

127,472

On the Light Scattering Method of Investigating the
Polydispersity of Polymers, by B. E. Eskin, M. G.
Gerasimov, T. P.

RUSSIAN, per Zhur Fiz Khim, Vol XXXIX, 1978, pp
1532-1538.

ABC to 5601.

Sci - Phys

Apr 58

85,742

On the Possible Causes for Polyvalent Growth
of New Shoots in Red Oak, by S. Ya. ~~Kuvshinov~~
and B. V. Eskin, 4 pp. *Krayevoy*

I
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No
4, 1957, pp 333-.

2
Amendment of Biol
~~Conservation Bureau Sci~~

Sci - Biol

Aug 58

71,876

Properties of Welds Made Under Argon and Carbon
Dioxide, by E. M. Eskin, E. P. Pogozhin, N. M.
Novoshilov.

RUSSIAN, no per, Svarochnoye Proizvodstvo, No 1,
Jan 1957, pp 15-17.

Henry Bratcher Tr 3947
\$4.90

Sci - Min/Metals, Chem
Aug 57

50,680

The Influence of Atlantic Waters on the Upper
Levels of the Arctic Seas, by F. I. Rukin, 11 pp.

RUSSIAN, per, Vest Leningrad U., No 6, 1960,
pp 153-158.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophysics
Jan 61

136,267

The Influence of Atlantic Waters on the Upper Levels
of the Arctic Seas, by F. I. Enkin, 10 pp.

RUSSIAN, per, Vest Leningrad Univ, No 6, 1960,
pp 153-158. CIA # 9658731

Amer Meteorol Soc
AF L. G. Hanscom Field
Res Div, Bedford, Mass
T-R-315

Sci - Geophysics
Jan 61

136,642

Geology of the Ushkeni Islands, Lake Baikal, by A. ⁸/₈ S.
Eskin, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXII,
No 3, Jan/Feb 1957, 490-492.

Consultants Bureau

Sci - Geophysics

Dec 57

56,721

Industrial Application of Ultrasonic
Measuring of Aluminum Alloy, by
G. I. Eskin, V. I. Gordin, 7 pp.
DOKLADY, Ser. Khimicheskaya Seriya,
No. 1, 1968, pp. 139-145. ISSN
PTA-ET-64-982

58

G.I. ESKIN

Sci - M/M

Nov 68

291,691

Boundary Value Problems for General Singular
Integral Equations in a Bounded Domain,
by M. I. Visik, G. I. Eskin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLV,
No 1, 1964, pp 24-27.

Amer Math Soc
Sov Math - Doklady
Vol V, No 2

Sci-
Aug 64

265,217

Action of Ultrasonic Vibrations on the
Shape and Dimensions of Intermetallic Com-
pound Crystals in Aluminum Alloys, by G. I.
Bekin, I. N. Fridlyander.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, Met i Toplov, No 15, 1961, pp 109-
112.

HB 5460

Sci - Min/Met
Apr 62

190,717

Effect of Ultrasonic Vibrations on the Pre-
cipitation Hardening and Tempering of Some
Alloys, by K. M. Pogodina-Alekseyeva, G. I.
Eskin.

RUSSIAN, per, Metal i Obra Metallov, No 1, 1956,
pp 42-45.

Henry Bratcher 4551
\$3.50

Sci - Engr

May 59

86,632

Industrial Application of Ultrasonic
Degreasing of Aluminum Alloys, by
G. I. Eskin and V. I. Slotin.
RUSSIAN, ok, Aluminivyye Splavy,
1948, No 1, pp 139-149.
•PTD-TT-65-982

G. I. Eskin

Sci-M&M
July 65

40
Research on the Growth Hormone Landed,
by L. Kalla, 5 pp.
RUSKIN, J. R., Plants & Animals, Vol. HICK, No 4,
1961, pp 13-14.
JPRS 21483

Sci - B & M
Sep 61

216,209

The Use of Cortisone and of Long-Acting ACTH to Assess
the Biological Activity of the Somatotropic Hormone
(Growth Hormone), by I. A. Eskin, N. V. Mikhailova,
5 pp.

RUSSIAN, par, Byul' Eksp. Biol i Med, Vol XLVII,
No 3, 1959, pp 103-108.

CB

Sci -

99,848

Nov 59

The Functional Condition of the Hypophysis and
Adrenal Cortex Under Stress in Young and Old
Rats, by I. A. Eskin, N. V. Mikhaylova, 9 pp.

RUSSIAN, per, Problemy Endokrinologii i
Gormonoterapii, Vol VI, No 3, 1960, pp 3-8.

JPRS 5463

Sci - Med

Sep 60

125,628

Photoperiodicity and the Function of the Hypophysis
and the Adrenal Cortex, by I. A. Eakin and H. V.
Mikhailova, 4 pp.

8

RUSSIAN, per, Zhurnal Eksper Biol i Med, Vol XLVI, No 8,
1958, pp 100-103

Sci - Med

Consultants Bureau

May 59

86,086

On the Theory of Relativistic Spherical Functions,
by L. D. Ekin, 3 pp.

RUSSIAN, per, Nauch Dok Vysshoy Shkoly,
Fiz-Matemat Nauk, No 2, 1959, pp 95-97.

NDP E-108
9092700

Sci

Oct 61

Automatic Control of the Turbine Drilling Process
by Means of Adaptive Systems, by M. G. Eskin, 11 pp.

RUSSIAN, per. ~~Antof~~ ^{Antof} at i Telemekh, Vol XXI, No 6,
1960, pp 791-805.

Instru Soc of Amer

Sci

Feb 61

138, 247

Extreme Systems of Turbine Drilling With
Discrete Devices, by M. G. Eakin, 28 pp.

RUSSIAN, bk, Trudy Konferentsiya po Voprosam
Teoriya i Primeneniye Diskretnykh Avtomati-
cheskikh Sistem, 1960. 9676749-V

FTD MCL-1253/1

Sci - Phys

196, 043

16 May 62

(NY-6518)

Portable Defibrillator With a Universal Power
Supply, by K. Azhibayev, V. Eskin, 13 pp.

RUSSIAN, bk, Fizicheskiye i Fiziologicheskiye
Prichiny Porysheniya Elektroopasnosti v Gornykh
i Zharkikh Stranakh, 1960, pp 62-69.

JPRS 9901

Sci - Electron

Aug 61

165, 366

Epidemiological and Clinical Features of
Ussurian Leptospirosis, by V. A. Eskin,
N. N. Kraminskaya, I. B. Berhut, S. P.
Irlin, P. V. Izotov, 7 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i
Immunobiol, Vol XXIX, No 8, 1958, pp 54-60

Pergamon Inst

Sci - Med

Apr 59

85,724

Epidemiological Peculiarities of the Hemorrhagic
Nephroses, by V. A. Ekin, A. A.
Sokolov, 7 pp.

RUSSIAN, per, Zhur Mikrobiol. Epizoot. Zoonozh. Inf.
No 6, 1965, pp 62-66. CIA SOL-512

NIH

Sci. Medicine
Jun 59

89,970

Ovals, by A. I. Lisova, M. S. Sofiyev, V. A. Eskin, 11pp.

Full translation.

RUSSIAN, per, Med Parasitologiya, No 4, 1946,
pp 40-44.

CIA/PDD/X-938

Scientific - Medicine

Jul 53 CTS/DEX

3461

10 714

GE-1

V. E. ESKIN, M. G. OKUNEVA

Exploration of multiple scattering by the method of light
dispersionZur Frage der Erforschung der Polydispersität nach den
Verfahren der LichtstreuungZhur. Fiz. Khimii, 32, No. 7, 1532-1535 (1958)

365 - German

E u r a t o m

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 7,
1958, pp 1459-1466.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol XXVIII, No 7

Sci - Phys

Mar 59

83,094

An Electronic Controller for the Turbine Drilling of
Oil Wells, by Yu. I. Ostrovsky, M. G. Eskin, 14 pp.

RUSSIAN, no par, Avtomat i Telemekh, Vol XVII,
No 9, Sep 1956, pp 775-786.

Consultants Bureau

Sci - Electronics
Nov 57

55, 836

A Way of Forming Transfer Functions of Sampled-
Data Control Systems with Extrapolating Devices, by
S. S. Ershakov, E. M. Esipovich, 7 p.

RUSSIAN, per, Avtomat i Telemekh, Vol XXV, No 5,
1958, pp 401-407.

Instru Soc of Amer

Sci

Apr 60

111, 769

Genthelvite from Alkaline Pegmatites, by E. M.
Eskova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 3,
1957, pp 481-483.

Consultants Bureau

Sci - Geophysics

Oct 58

75, 239

Shcherbakovite - a new mineral, by E. M.
Zol'tova and M. S. Kuznetsova, 8 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol
XC, 1954, p 837-841.

SLA R 1997

Sci

Jul 58

68,776

The Construction of an Artificial Joint Because
of Imobility of the Mandibular Joint, by
F. Esmarch, 10 pp.

GERMAN, per, Schmidt's Jahrb, Vol CX, 1861,
pp 204-209.

SLA Tr 2330

52,800

Sci - Medicine
Sep 57

(DC-5965)

A Few Reminders Concerning the Activities and
Management of District Centers for the Planning
of Agricultural Investments, by Vaclav Esler,
7 pp. OFFICIAL USE ONLY

CZECH, per, Zemedelske Stavby a Zemedelske
Meliorace, No 10, 1961, pp 2 327-328.

JPRS 18944

15

18²₁₅, 463

Lith - Czechoslovakia

R&M Econ

Feb 1962

Degassing of Light Metal Alloys by Sound Vibrations,
by W. Esmarch, et al.

GERMAN, bk, Wissenschaftliche Veroffentlichungen aus
den Siemens Werken Werkstoff-Sonderheft, 1940,
pp 78-87.

SIA 2314

Sci - Min/Metals

*BISI 2336

Sep 61

53,998

list 103

Sonic and Ultrasonic Degassing of Aluminum (and its Alloys), by Th. Rummel, W. Esmarch, and K. Beuther, 11 pp.

GERMAN, per Metallwirtschaft, Vol XIX, 1940, pp 1029-1033.

AEC Tr 2816

Min/metals
Feb 1957 CTS/dex

43,747

J-1678/64

The Puzzling Picture of the Spy Sorage, by Eson, *6 pp.*
SWEDISH, *et al.*, Dagens Nyheter, 6 Dec 1964.

6 JPRS/SPECIAL/DC-11035

WE-Sweden

USSR

Pol

Jan 65

Dilatometric Study of the Zirconium-Hydrogen
System, by L. Espagno, P. Azou, P. Bastien, 13 pp.

FRENCH, per, Mem Sci Rev Met, Vol. LVII, Apr 1960,
pp 254-259.

ABC HW Tr-23

Sci
May 61

150,874

94
Contribution to the Study of the
Hafnium-hydrogen System, by
L. Espagno, P. Azou.
FRENCH, per, Compt. Rend.,
Vol CCL, pp 4352-4354, 1960
AEC ANL-Tr-166

Sci-Phys
Sept 65

L. ESPAGNO

290,010

Contribution to the Study of the Hafnium-Hydrogen
System, by L. Espagno, P. Azou, et al, 5 pp/
FRENCH, per, Comptes Rendus, Vol CCL, Apr, Jun
1960, pp 4352-4354. 9229858
AEC-ANL-Tr-166

Sci-Chem
Jun 68

281,083

Variations in Length and Density Accompanying the
Adsorption of Hydrogen by Silica, by Lucien
Folmer, Pierre Azou, Paul Bastien, 2 pp.

FRANCOIS, per, Comptes Rendus, Vol. CCXLVII, 1958,
pp. 83-84.

AMC 47-3846

Dec - Chem
Jan 60

104 898

Dilatometric Study of the Zirconium-Hydrogen System,
by Lucien Espagno, Pierre Aron, Paul Thonon, 4 pp.

FRENCH, par, Comptes Rendus, Vol. CCXLVII, 1958,
pp 1199-1201.

AEC tr-3844

Sci - Chem
Jan 60

104,896

NOTE, by J. Espaignol, J. Lafour, 11 pp.
FNU 421, Tpt, CNF - Compagnie Generale de Tele-
phonie dans l'Centre de Physique Electromagne-
tique et Magnetoacoustique de Lonsville, Army.
(C. G. J.) Report Div. 6441.04, 1974.
Dept of Navy Tr No 4205/6441.04 Tr No 333

Espaignol J.

Sci - Elec
Aug 65

280,345

Gas-Tight Sintered Glass, by W. Rapp,
J. Glas 57.

GERMAN, per, Vakuum-Technik, Vol IX,
No 1, 1960, pp 7-15.

CHIRO

See - Page
Dec 61

175,515

63-18930

I. Espe, W.

Espe, Werner.
FERRITIC CHROMIUM ALLOY STEELS FOR
VACUUM-TIGHT GLASS-TO-METAL SEALS. [1963]
47p. (figs. omitted) 31 refs.
Order from SLA \$4.60 63-18930

Trans. of Vakuum-Technik (West Germany) 1955, v. 4,
no. 4/5, p. 82-100.

DESCRIPTORS: *Adhesives, *Vacuum seals, *Steel,
Chromium alloys, Iron alloys, *Seals (Stoppers).

The CrFe alloys used for glass-to-metal seals have a
chromium content of 17-30%, Mo, Nb, Ti, Ta, or
Si -- depending on the maker -- being added to the low-
chrome alloys to improve their structural stability and
make the material easier to machine. The formation of
vacuum-tight seals between wires, rods, rings, caps,
etc. and ordinary soft industrial glasses is relatively
simple, since the alloy: (1) -- as distinct from Kovar --
(Materials--Sealants, TT, v. 10, no. 11) (over)

Office of Technical Services

Espe, Werner.
THE PERMEABILITY OF GASES THROUGH INDUS-
TRIAL GLASSES (O Prieputnosti Plynov Technickych
Sklel). [1961] [11]p. (foreign text included) 11 refs.
Order from SLA \$1.60 61-16158

Trans. of Strojoelektrotechnicky Casopis
(Czechoslovakia) 1958, v. 9, no. 4, p. 240-246.

DESCRIPTORS: Gases, Permeability, *Heat resistant
glass, Gas diffusion, Ceramic materials.

Data obtained from English technical literature are
presented.

(Materials--Ceramics, TT, v. 6, no. 5)

1. Espe, W.

Office of Technical Services

Mica as a Construction Material in High-
Vacuum Technique, by Werper, Espe, 6 pp.

GERMAN, per, Vakuum-Technik, Vol VIII, No 1,
1959, pp 15-19.

SLA 60-18194

195, 991

Sci.

May 62

Quartz-Glass, Quartz-Ware and Quartz-Type
Glass as Materials in High Vacuum Technique,
by W. Espe, 15 pp.

GERMAN, par, Vakuum Technik, Vol. IV, No 7,
1958, pp 65-77. 9210856

A.C.S.I.L. Tr 1391

Sci 3- M/H
Sep 63

344,184

Espe, Werner.
THE PERMEABILITY OF GASES THROUGH INDUSTRIAL GLASSES (O Pripustnosti Plynov Technickych Skel). [1963] [14p] (foreign text included) 11 refs
Order from SLA \$1.60 63-18616

Trans. of [Elektrotechnicky Casopis] (Czechoslovakia) 1958, v. 9, no. 4, p. 240-246.
Another trans. is available from SLA \$1.60 as 61-16158 [1961] [11p].

DESCRIPTORS: Gases, Permeability, *Heat resistant glass, Gas diffusion, Ceramic materials.

Data obtained from Western technical literature are presented.

(Materials--Ceramics, TT, v. 10, no. 10)

63-18616

I. Espe, W.

125254.

Office of Technical Services

Welding and Soldering of Metal Parts by High
Vacuum Technique, by W. Espe. UNCL

GERMAN, per, Vacuum Technik, Vol IV, No 3,
1955, pp 51-64. CIA 9036662

ACSL 940

Sci - Engr
Mar 59

82,604

Ventilation and Heat Pump Plant Using Metabolic Heat
In Cow Houses by H. Espersen.

GERMAN, per, Kulde, Vol XI, No 5, 1957, pp 51-54.

CSIRO

Oct. 62

52
The 100-Ton Locomotive With Motorized Draisine --
a New Transport Medium in Open-Cast Mining,
by H. Engel, 41 pp.
GERMAN, per. Deutsche Eisenbahntechnik, 82 Vol XII,
No 8, 1964, pp 331-336.
JPRS 26858

Sci - M/M-
Dec 64

269,872

Espig, H. THE SYNTHESIS OF EMERALDS. [1962] [24]p. 6 refs. Order from SLA \$2.60 62-18839	62-18839 I. Espig, H.
Trans. of Chem[ische] Techn[ik] (East Germany) 1960, v. 12, no. 6, p. 327-331. DESCRIPTORS: *Synthetic gems, *Beryl, Synthesis, Crystal growth, Zirconium compounds, *Titanium compounds, Silicates, Garnets. A method is described for synthesizing emerald in crystals up to 2 cm size suitable for polishing of stones of 1 carat. The basic principles of this method which was carried out for the first time in Bitterfeld in 1929 is described here and the technical advances, as compared to the previous process, described, in particular, the semitechnical method most recently used. The properties of the synthetic emerald were (Physics--Solid State, TT, v. 9, no. 11) (over)	Office of Technical Services

Development of the Swedish Radio Broadcasting Network.
by Erik Esping, 10 pp.

SWEDISH, per, Tele, No 1, 1960, pp 149-159.

888

ACSI H-2895-E

ID 216461

Sci - Electronics
Aug 61.

162,716

The Interior Decoration of the Estoril-Sol
Hotel, by J. Espinho.
PORTUGUESE, per, Binario, No. 75, 1964.
SLA TT-66-10848

330, 806

Sci - Materials
Jul 67

HEW

R-5431-D
11 Jun 65

Action of B-85 on Mongolism and Other Forms of
Oligophrenia, by L. Jimenez Espinosa, et al
Med. Esp., Vol 50, July 1963, pp 29-38,

Spanish

Plastic Ampoules for Smallpox Vaccine, by
Also Enemark, 10 pp. UEXL

SWEDISH, per, Svenska Läkartidningen,
Vol. LV, No 40, 1958, pp 2745, Encl to
R-235-59.

ID 2121429

Sci - Med
Jan 60

104,540

THE SERUM PROTEINS IN THE FETUS; PAPER ELECTRO-
PHORESIS AND IMMUNO-ELECTROPHORESIS, BY A. ESPOSITO,
G. ABELLI, 6PP.

ITALIAN, PER, MINERVA GINECOL, VOL XIII, NO 13, 1961,
PP 671-675.

NIH 6-42-62

SCI - MED

208,780

AUG 62

72
The Terni Company's New Light Section Mill,
by R. Narini, M. Esposito.
ITALIAN, per, La Metallurgia Italiana, Atti Notizie,
Vol LV, No 9, 1968, pp 251-263.
BISI 3568

Sci - Engr
May 64

257,025

West Africa, by N. Esquillan.

FRENCH, per, Memoires de la Societe des Ingenieurs
Civils de France, Mar-Apr 1958.

Dept of Interior
US Bur of Reclamation
Technical Lib
Denver, Colorado

NE/A - French West Africa
Econ
Sep 60

125,082

Some Properties of Diamonds as a Crystal Counter,
by E. Mos, G. Rosset, 6 pp.

GERMAN, per, Helv Phys Acta, Vol XXIII, 1950,
pp 484-487.

ABC /ECL-T-230

Sci - Phys

Apr 59

85,741

Use of P In a Study of Plant Assimilation of
Phosphoric Acid According to its Location in the
Soil and Whether or not it is Combined with Nitrogen,
by A. Essafi, J. Cline, et al, 12 pp.

RUSSIAN, rpt, Proceedings of Conference on Radio-
isotopes in Soil-Plant Nutrition Studies, Feb 26-
Mar 2, 1962, pp 443-450, 1962.

AEC-tr-599*

Sci-Hucl. Sci
Nov 65

241,524

The Synthesis of a Number of Derivatives Based on
2,4-Dichloro-2-Butene. Synthesis and Properties
of 2-Chloro-4-Mercapto-2-Butene, by A. L.
Klebanskiy, G. T. Esayan, 4 pp.

Full tr

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 1,
1956, pp 239-242. CIA 9000404 C, Reel No 21

Consultants Bureau

38,600

Sci - Chemistry
Sep 56 CTS

18
Röntgenphoto Haecephalogrammation, by
A. P. Engelke, 28 pp.
GRUBER, J. F., Schweizerische Medizinische
Wochenschrift, Vol LXXXVII, No 26, 1957,
pp 623-628.
NY 2-15-64

Sci - Biol & Med
Apr 64

253,750

The Mechanism of Action of System. Animal-experi-
mentation Investigations After Blockade of the
Reticuloendothelial System, by A. F. Essellier,
K. F. Wagner, 14 pp.

GERMAN, per Acta Haemat. No 8, 1952, pp 63-73.

NIE 9-1

Scientific - Biology
Nov 56 CTS

40,423

The Solubility of Magnesium in Cast Iron, by M. A.
Essen, F. I. Tavadze, 4 pp.

RUSSIAN, per, Lit Proiz, No 2, 1961, pp 31-33.

BISI

Sci
Aug 61

167,089